

FIG. 1

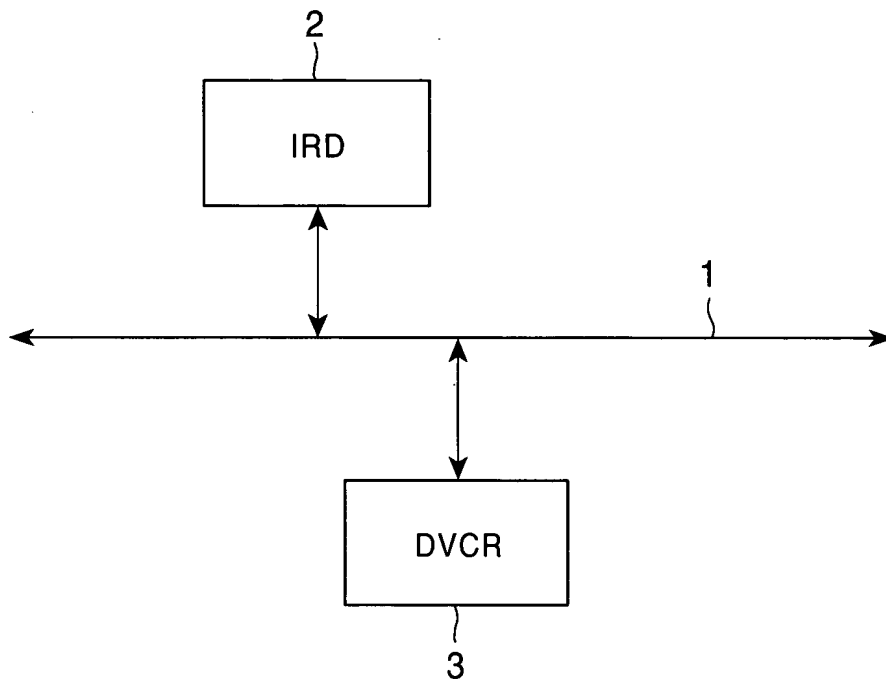


FIG. 2

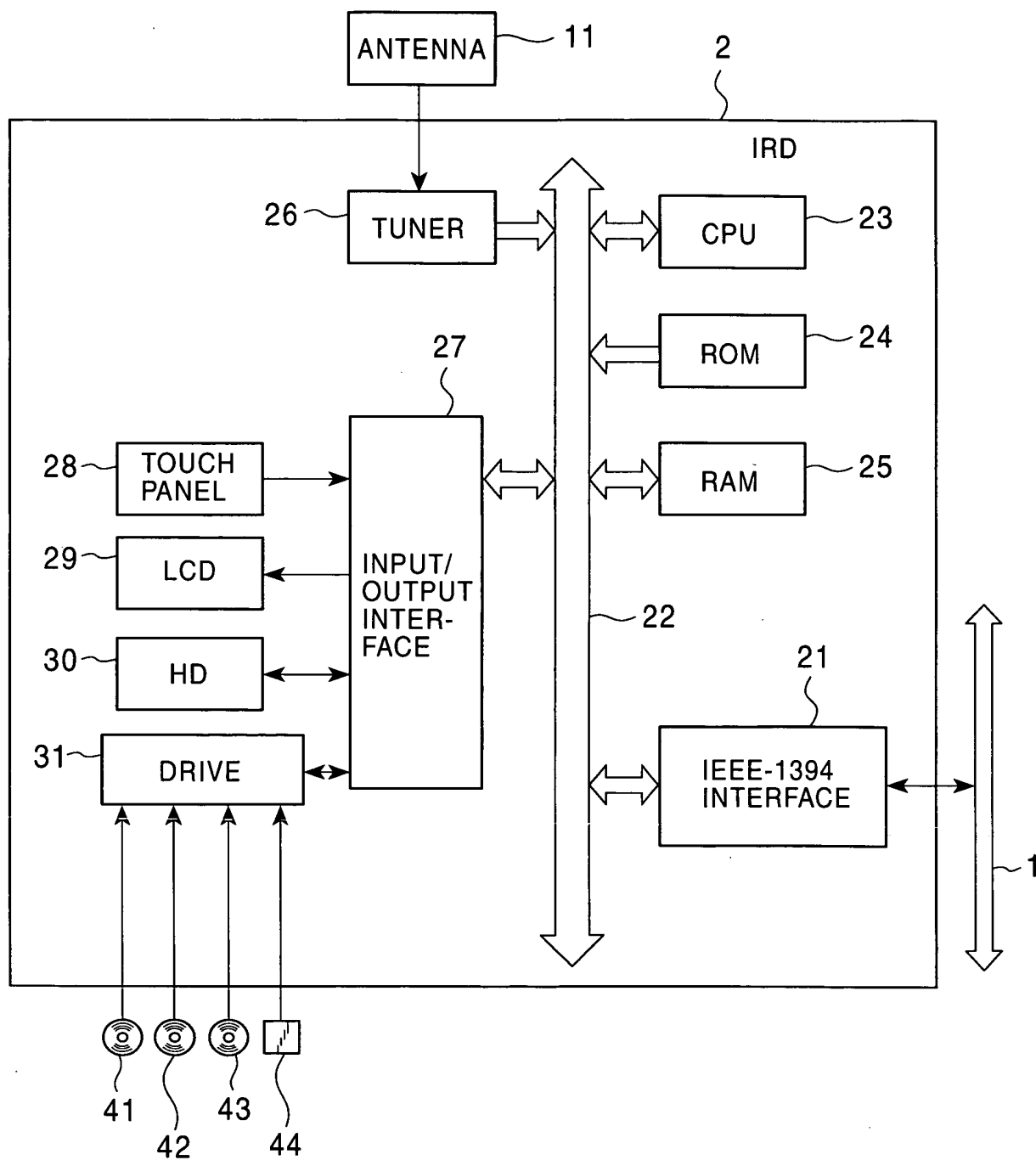


FIG. 3

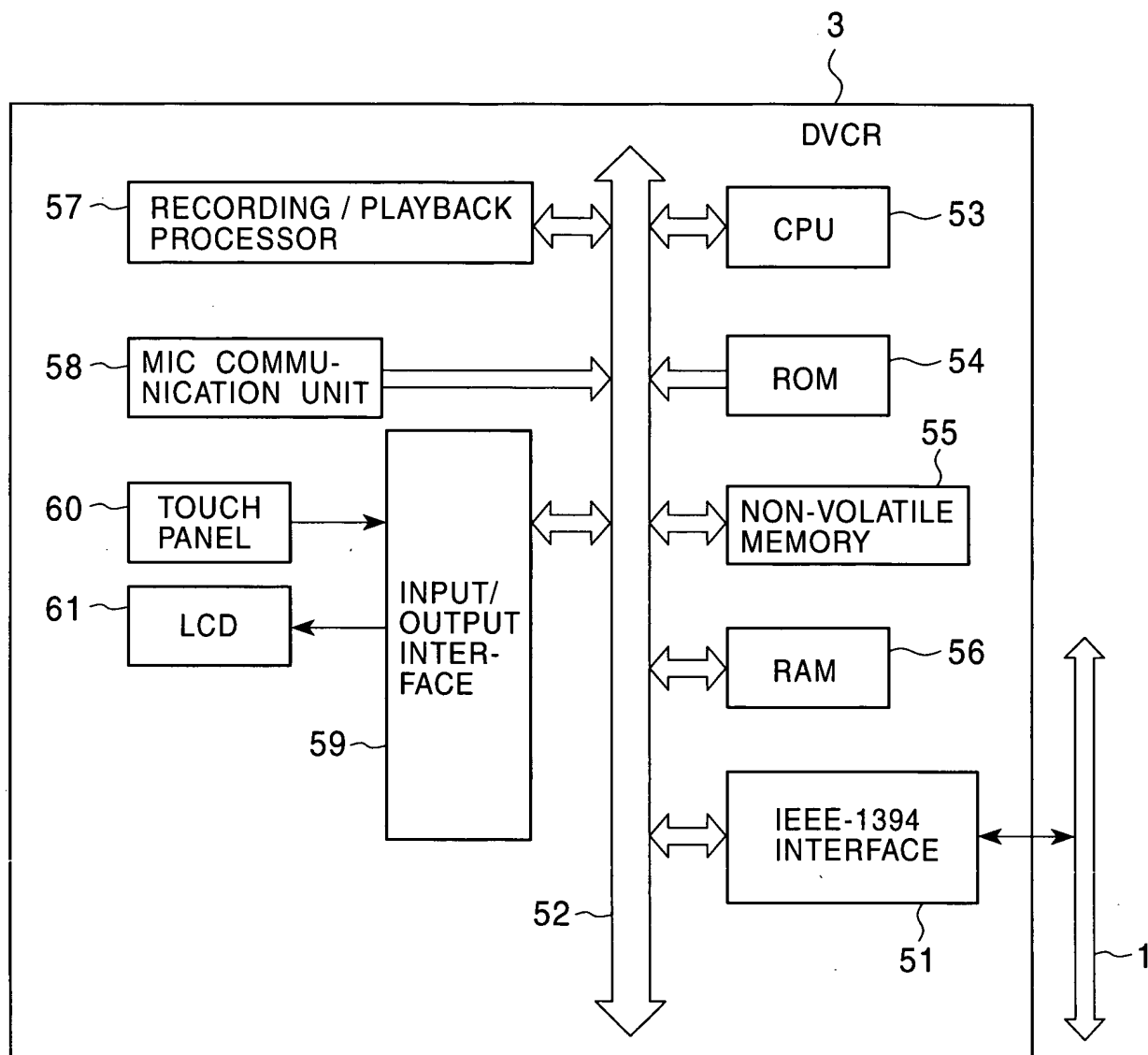


FIG. 4

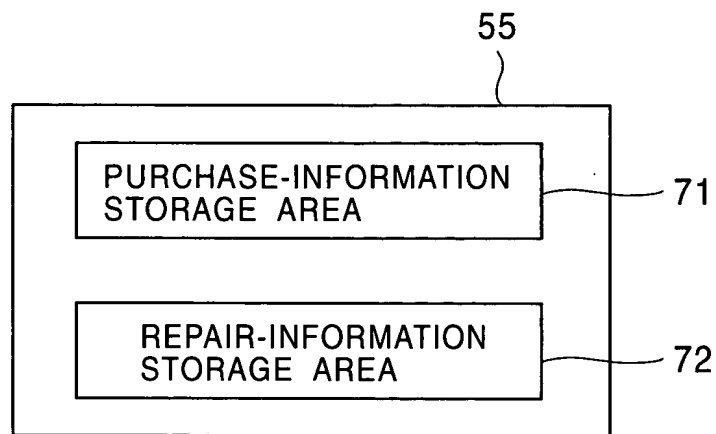


FIG. 5

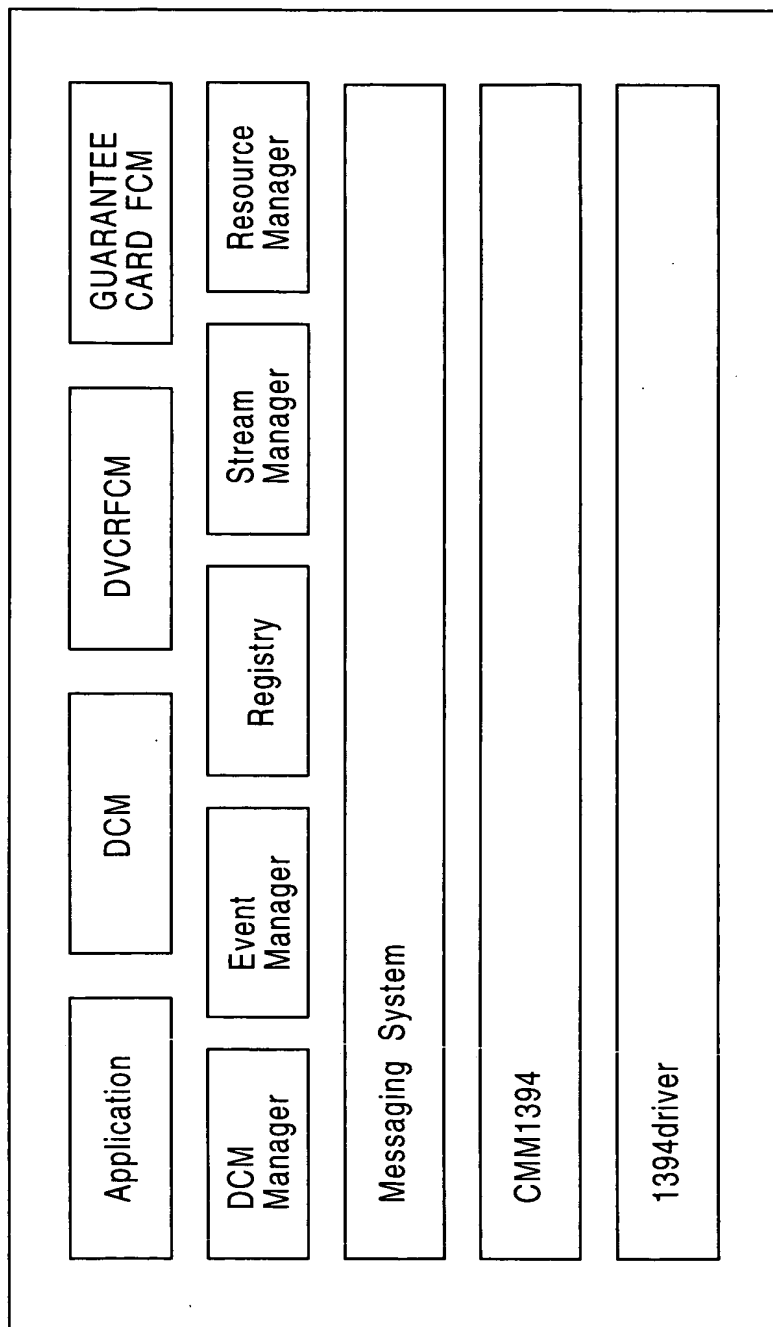


FIG. 6

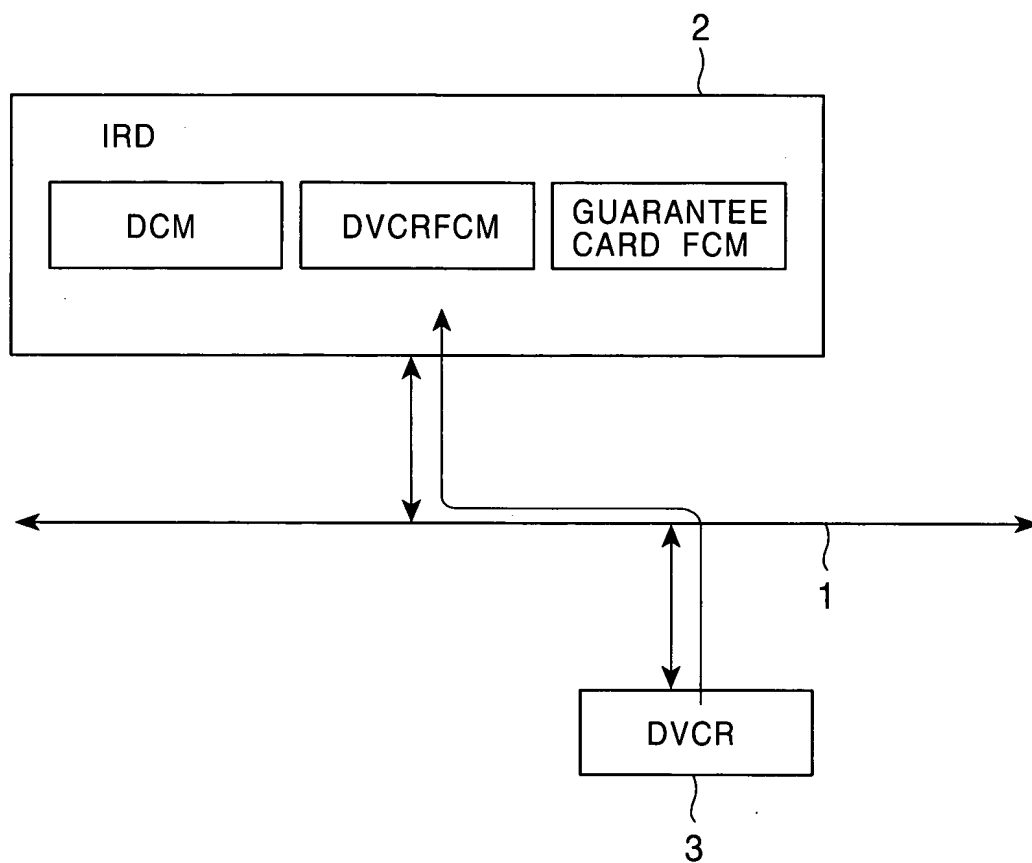


FIG. 7

START OF MESSAGE ANALYZING PROCESSING
BY GUARANTEE CARD FCM

GUARANTEE CARD FCM CONNECTS TO
MESSAGING SYSTEM AND REGISTERS
CALL BACK FUNCTION S1

MESSAGING SYSTEM DELIVERS SEID
OF GUARANTEE CARD FCM TO FCM S2

S3
CALL BACK FUNCTION
CALLED? NO

YES
S4
MESSAGE IS setInfo? YES

NO
S5
PURCHASE INFOR-
MATION ALREADY
WRITTEN? YES

S6
SEND MESSAGE
INDICATING THAT
WRITING OF INFOR-
MATION HAS FAILED

NO
S7
WRITE PURCHASE INFORMATION INTO
NON-VOLATILE MEMORY AND SEND
MESSAGE INDICATING THAT INFORMATION
HAS BEEN SUCCESSFULLY WRITTEN

S8
MESSGE IS getInfo? YES

NO
S9
READ PURCHASE INFORMATION
FROM NON-VOLATILE MEMORY
AND TRANSMIT IT TO SENDER

S10
MESSAGE IS addHistory? YES

NO
S11
WRITE REPAIR INFORMATION
INTO NON-VOLATILE MEMORY

S12
MESSAGE IS getHistory? YES

NO
S13
READ REPAIR INFORMATION FROM
NON-VOLATILE MEMORY AND TRANSMIT
IT TO SENDER

FIG. 8

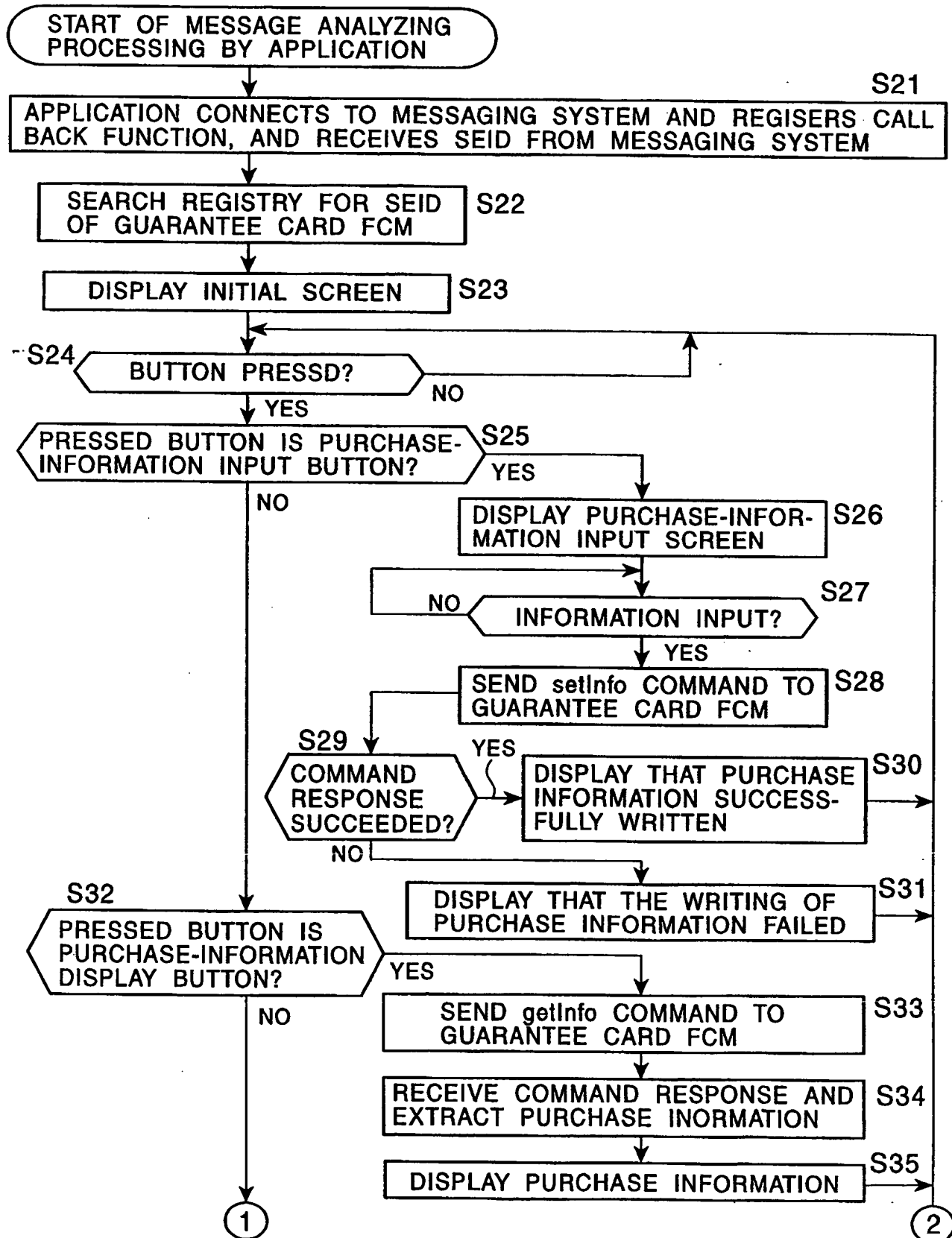


FIG. 9

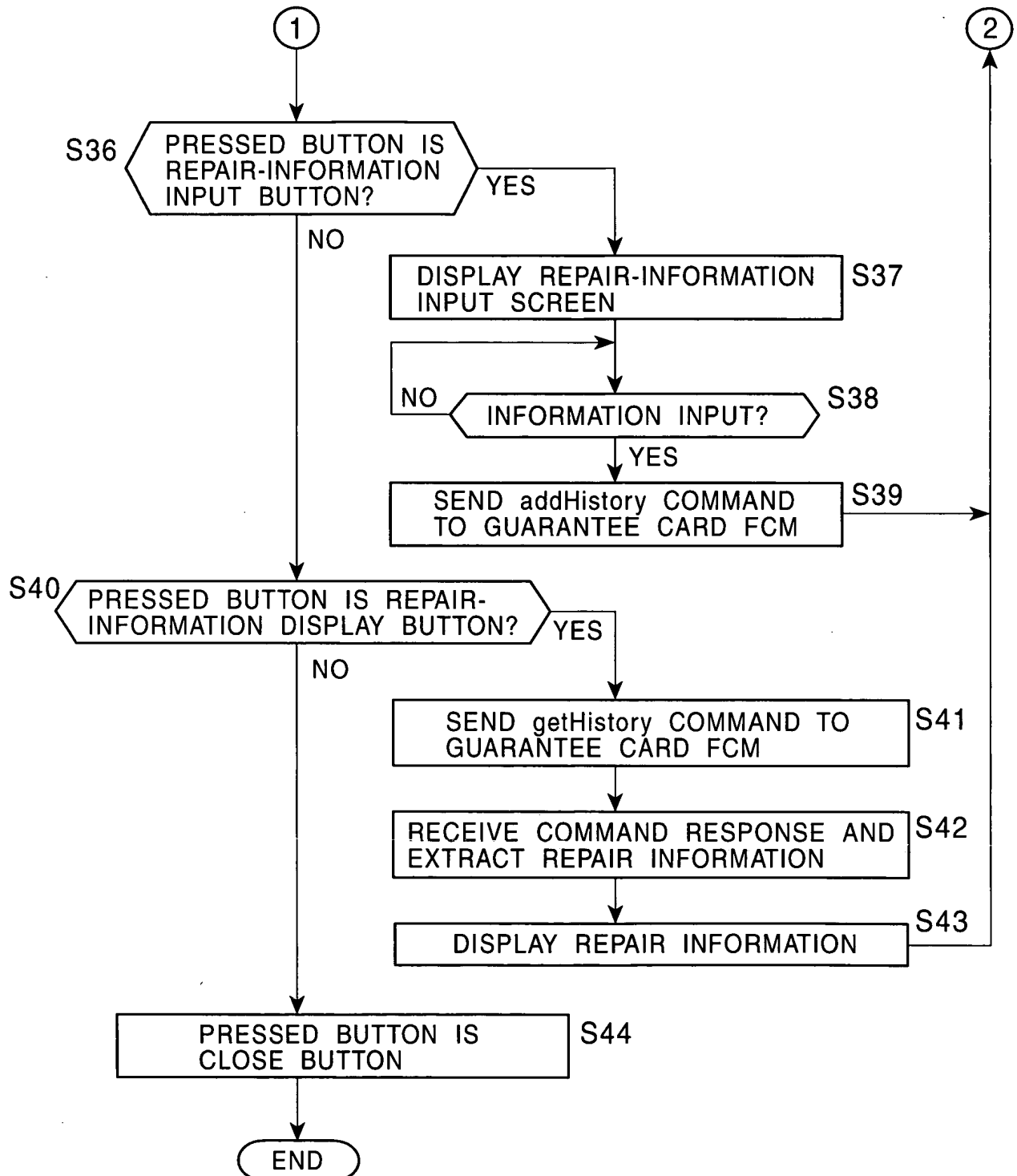


FIG. 10

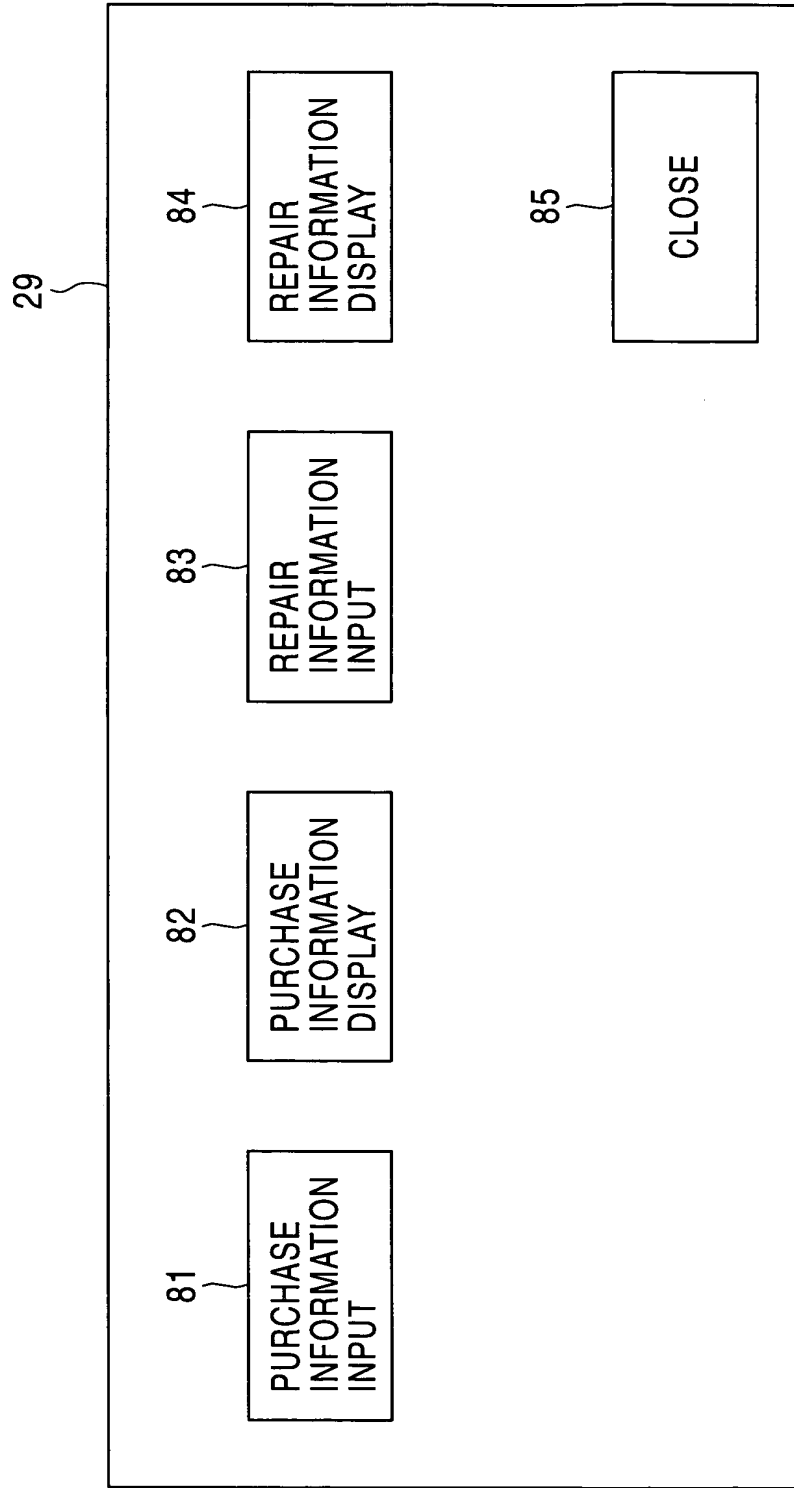


FIG. 11

29

PURCHASE DATE	91
PURCHASE STORE	92
DIGITAL SIGNATURE OF PURCHASE STORE	93
	OK 94

FIG. 12

29

PURCHASE INFORMATION SUCCESSFULLY
WRITTEN.

FIG. 13

29

PURCHASE INFORMATION ALREADY WRITTEN
CANNOT ACCESS.

FIG. 14

29

PURCHASE DATE	101
PURCHASE STORE	102
DIGITAL SIGNATURE OF PURCHASE STORE	103
	104 RETURN

FIG. 15

29

REPAIR DATE	111
REPAIR ITEM	112
REPAIR TYPE	113
CONTACT NUMBER	114
	115 OK

FIG. 16

29

REPAIR HISTORY LIST

121

REPAIR DATE	REPAIR ITEM
	122a
	123
	→
	122b

FIG. 17

29

REPAIR DATE	131
REPAIR ITEM	132
REPAIR TYPE	133
CONTACT NUMBER	134
	135 RETURN

FIG. 18

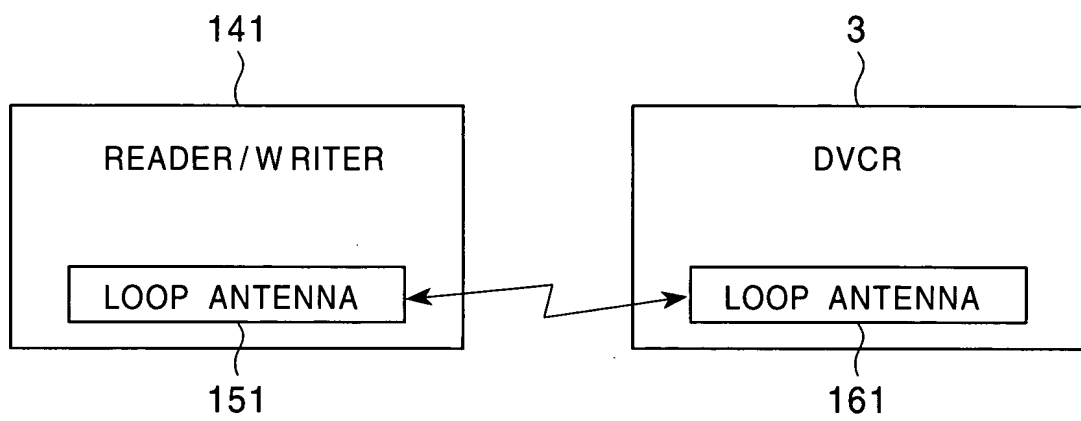


FIG. 19

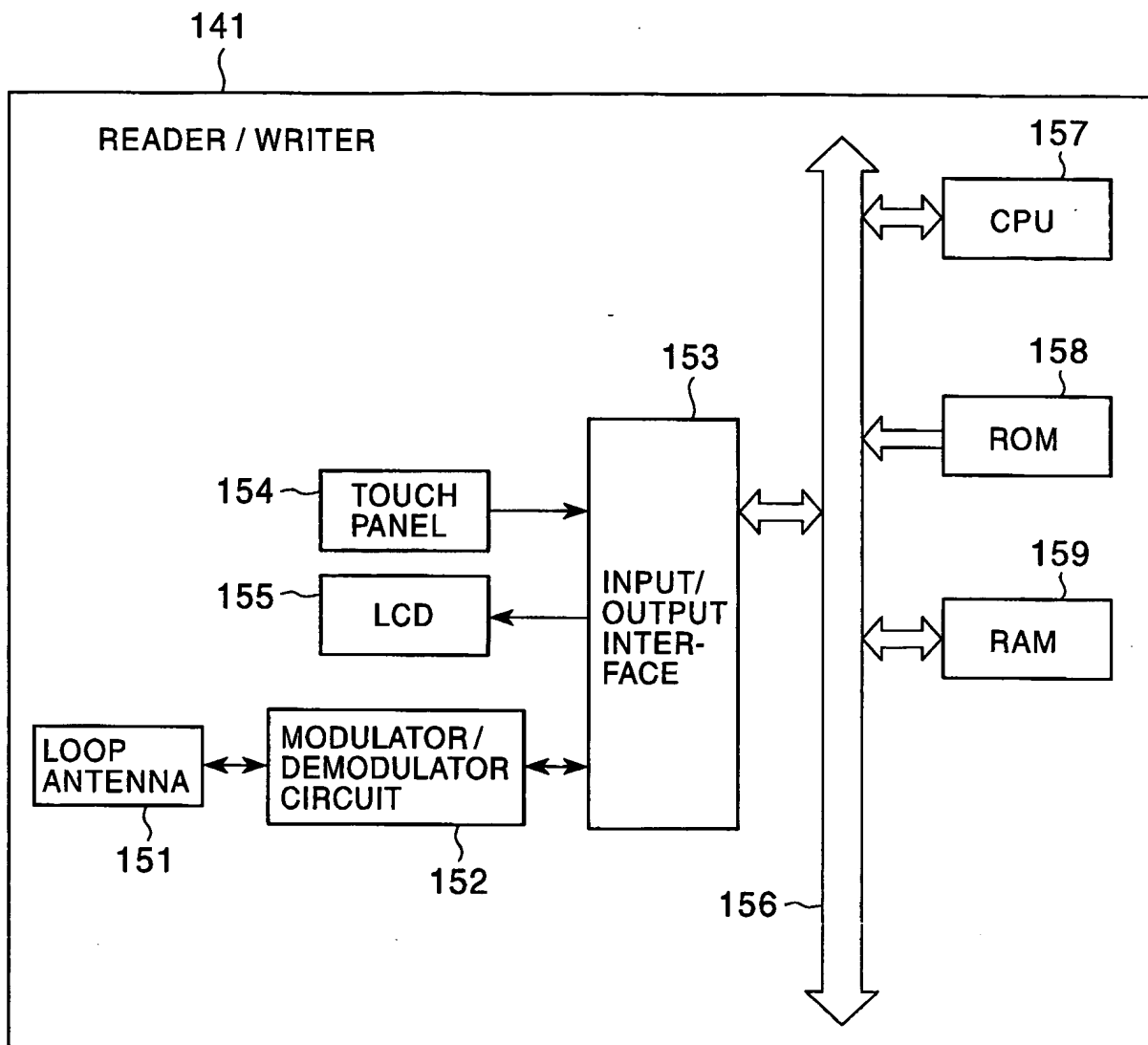


FIG. 20

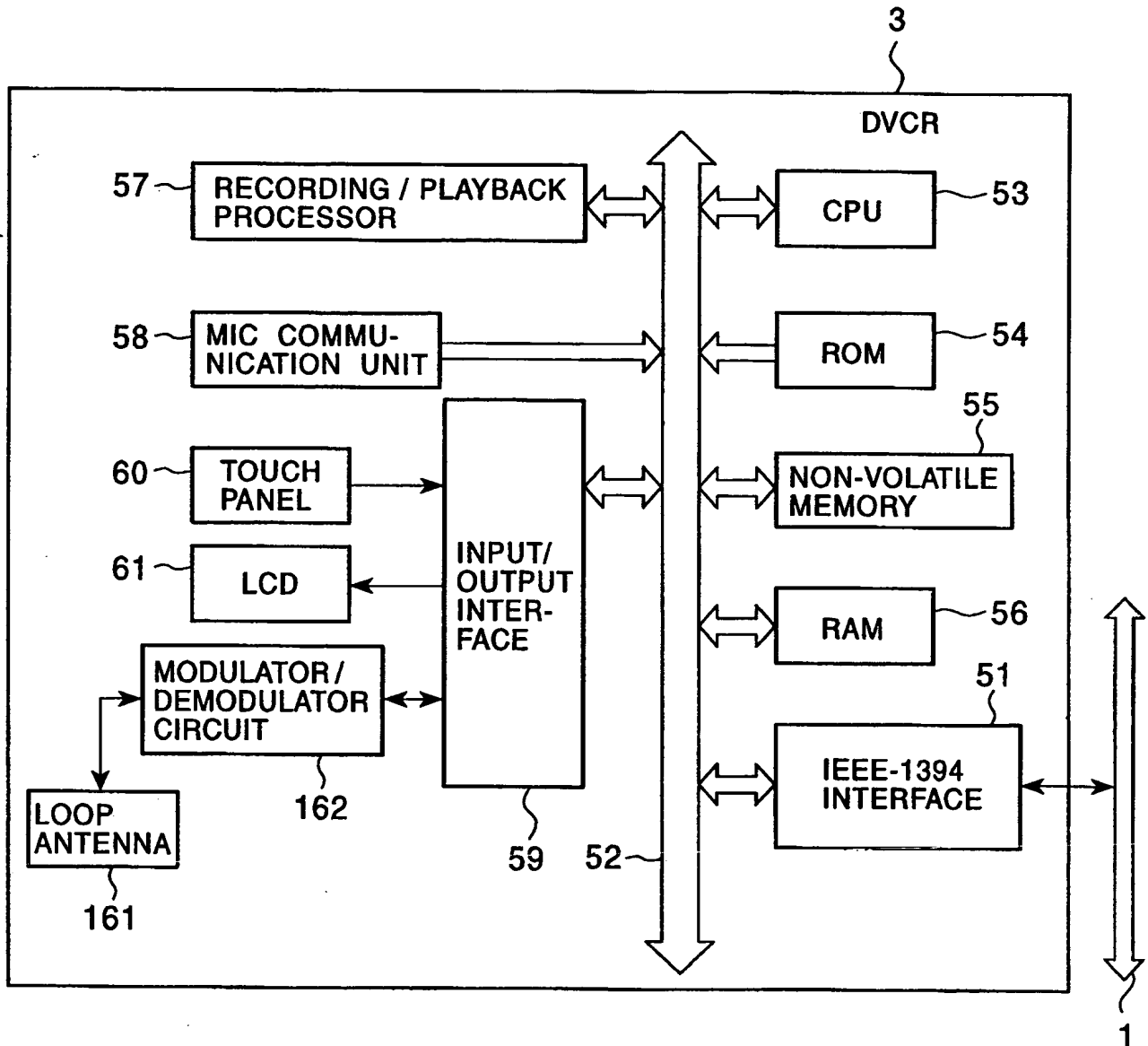


FIG. 21

